

***Agricultural Drift* Cases Reported in California¹ Associated With² Pesticide
Exposure Summarized by Application Sites
2008**

Application Site ³	Number of Cases ⁴	Number of Incidents ⁵
BERRIES		
Strawberries	1	1
CITRUS		
Lemons	21	1
FIXTURES		
Milking Equipment (Milking Machine, Etc.)	1	1
FORAGE CROP		
Alfalfa	35	2
FRUITING VEGETABLE		
Tomatoes	9	4
GRAIN		
Corn	1	1
GRAPES		
Grapes	5	2
HERB/SPICE		
Flavoring and Spice Crops (Other or Unspecified)	11	1
LEAFY/STEM VEGETABLE		
Broccoli	24	1
Lettuce	18	2
MULTIPLE		
Beets, Cabbage	1	1
Grapes, Uncultivated Non-agricultural Areas	7	1
NON-CROP		
Soil	39	2
Uncultivated Agricultural Areas (Other or Unspecified)	1	1
NOT APPLICABLE		
Not Applicable	1	1
NUT TREES		

Application Site ³	Number of Cases ⁴	Number of Incidents ⁵
Almonds	2	2
Walnuts	2	2
STONE FRUIT		
Prunes	1	1
TOTAL	180	27

¹ **Source:** California Department of Pesticide Regulation, Pesticide Illness and Surveillance Program.

² **Associated With:** Includes cases classified as definitely, probably or possibly related to pesticide exposure

Definite : High degree of correlation between pattern of exposure and resulting symptomatology. Requires both medical evidence (such as measured cholinesterase inhibition, positive allergy tests, characteristic signs observed by medical professional) and physical evidence of exposure (environmental and/or biological samples, exposure history) to support the conclusions.

Probable : Relatively high degree of correlation exists between the pattern of exposure and the resulting symptomatology. Either medical or physical evidence is inconclusive or unavailable.

Possible : Health effects correspond generally to the reported exposure, but evidence is not available to support a relationship.

³ **Application Sites:** Site of the pesticide application. For crops, this includes applications at the growing site and to the commodity while being packed for sale. For incidents involving drift, the intended application site is listed.

⁴ **Cases by Incidents:** Indicates the number of individuals exposed in one incident of agricultural drift.

⁵ **Incidents:** Indicates the number of episodes where agricultural pesticide drift occurred based on the application site.

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About the Pesticide Illness Surveillance Program Data

Pesticide-related illnesses have been tracked within the state of California for more than 50 years. The California Environmental Protection Agency, Department of Pesticide Regulation (DPR) maintains a surveillance program which records human health effects of pesticide exposure. The Pesticide Illness Surveillance Program (PISP) documents information on adverse effects from pesticide products, whether elicited by the active ingredients, inert ingredients, impurities, or breakdown products. This program maintains a database, which is utilized for evaluating the circumstances of pesticide exposures resulting in illness. This database is consulted regularly by staff who evaluate(s) the effectiveness of the DPR pesticide safety programs and recommend changes when appropriate.